

File No. ....

T. 7 N. R. 29 E.

DUPLICATE

County Musselshell

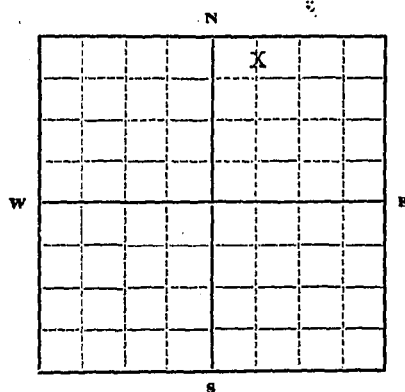
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 G. K. Murphy of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 24, T. 7 N. R. 29 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....  
Stock water

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1915  
Continues as homestead  
Seasonally each year now

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 3 gpm

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
Does not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
Pump  
NW 1/4 NE 1/4 Sec. 24, T. 7 N., R. 29 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Unknown

8. The depth of water table Approx. 75 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 6 in case 200 ft.

10. The estimated amount of groundwater withdrawn each year 75,000 gal.

11. The log of formations encountered in the drilling of each well if available None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record None

Signature of Owner G. K. Murphy

Date Dec. 19, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

3078

162 373

STATE OF MONTANA,  
MUSSELSHELL COUNTY, ss.

FILED THIS 31 DAY OF

Dec A. D. 19 62

AT 11:14 O'CLOCK AM

Chas. H. H. H.  
COUNTY RECORDER

DEPUTY

7N 29E 24  
County Musselshell

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

544 Show exact depth of bottom

50,425

183743

STATE OF MONTANA,  
MUSSELSHELL COUNTY, } ss.

FILED THIS 25th DAY OF

May A. D. 19 22

AT 9:51 O'CLOCK P M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Leah Stevens  
25 DEPUTY

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County Musselshell

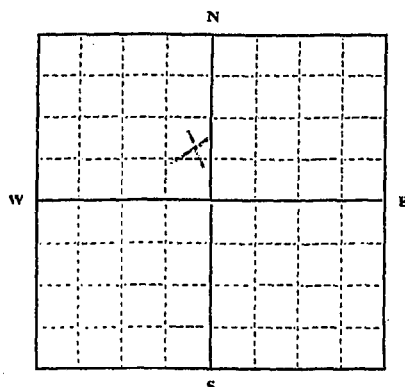
JAN 8 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turlay Sr., of Box 207 Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 29 T. 7N R. 29E

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock  
and household use

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been Apr. 1925 from spring  
July 1945 - present  
continuous use since 1925

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 5 gpm

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
not used

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
electric driven 4 ft pump  
NW 1/4 Sec 29 T 7N R 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater June 1945 to July 1945

8. The depth of water table 130

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 6 in casing 130 deep

10. The estimated amount of groundwater withdrawn each year 365,000

11. The log of formations encountered in the drilling of each well if available shale & sand rock

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record not available

Signature of Owner

John E. Turlay Sr.  
Date Dec 31 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

20602

169758

STATE OF MONTANA, Iss.  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

December A. D. 19 63

AT 4:42 O'CLOCK P.M.

E. M. MATZKE

COUNTY RECORDER

Francis L. Danner  
200 DEPUTY

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. ....

T. 7N R. 29E

DUPLICATE

County Missoula

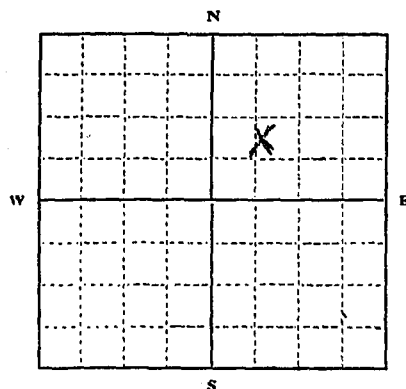
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley Sr., of Box 207 Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NG 1/4 Sec. 32 T. 7N R. 29E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Lumberstock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump  
Box 207 - T 7N - R 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June - July 1959

8. The depth of water table 160

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 160 ft deep

10. The estimated amount of groundwater withdrawn each year 180,000 gal

11. The log of formations encountered in the drilling of each well if available Shale & Sandrock

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

John E. Turley  
Date Dec 31-19

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

20599

169755

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

December A. D. 19 63

AT 4:36 O'CLOCK P. M.

DEPUTY

COUNTY RECORDER

James L. Dawson  
204 DEPUTY



RECEIVED  
DEC 2 1957

T. 7 R. 29. 34  
MUSSELSHELL  
County

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: Gerald E. Turkey Address: Musselshell  
Driller: M. J. Cleary Address: "  
Date Started: 1912 Date Completed: 1912  
Location: Sec. 34 T. 7 R. 29 1/4 sec. MW.

Type of well: Drilled Equipment used: Diamond rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: Surface ft. to Bottom ft. Type: Heavy Steel Size: 4 in

Casing: Q ft. to 365 ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. don't know Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: 12 to 15 ft. g. Surface feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: 12 to 15 feet at thirty gal. per min.

How tested: actual use

Length of test: Several days

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

[illegible]

Suppose layers of shale  
sand stone some coal

RECEIVED  
DEC 2 1957

T. 7 R. 29  
County MUSSELSHELL

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Gerald E. Furley Address Musselshell  
Driller Lewis Corbin Address Round Bay  
Date Started Aug. 5.6 Date Completed Aug. 5.6  
Location: Sec. 35 T. 7 R. 29 1/4 sec. center

Type of well Drilled Equipment used Churn Drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: surface ft. to bottom ft. Type steel Size 6 in

Casing: 11 ft. to 210 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 170 to ft. Bottom Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 770 drilled

Static Water level, for non-flowing well: \_\_\_\_\_ feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 80 feet at seven gal. per min.

How tested: bailed

Length of test hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

fair well

(over)

[illegible]

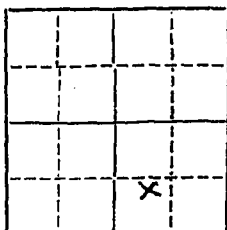
I think  
alternating layer shale  
sand stone some coal  
water from sand stone

R  
DEC 2 1957

36  
T 7 R 29  
County MUSKOGEE

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Gerald E. Turley Address Muskogee  
Driller Self & Bill Beard Address " "  
Date Started Oct 34 Date Completed Nov 34  
Location: Sec. 36 T 7 R 29 1/4 sec. 8 E

Type of well

Dug  
(Dug, driven, bored, or drilled)

Equipment used

push shovel & Dynamite  
(Chain drill, rotary, other)

Water use: Domestic ☐

Municipal ☐

Stock ☒

Irrigation ☐

Industrial ☐

Drainage ☐

Other: \_\_\_\_\_

Casing: rocked ft. to 28 ft. Type 7 ft Size to 3 ft

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: 20 ft feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: 20 to 24 feet at seven gal. per min.

How tested: pumped

Length of test: several hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Depth, feet		Description of Material Drilled
From	To	
Surface	10 ft	Top soil.
0	15 ft	washed in dirt, some gravel
15	26	<del>gravel</del> Sand stone. Solid water in bottom of stone. good water about seven gal per minute

Surface	10 ft	Top soil.
10	15 ft	washed in dirt, some gravel
15	26	<del>granite</del> Sand stone. Solid water in bottom of stone. good water about seven gal per minute

## GROUNDWATER INDEX

Page 1 of 1

County Musselshell Twp. 7N Rge. 30E

[illegible]

GW

File No. ....

DUPLICATE

STATE ENGINEER  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

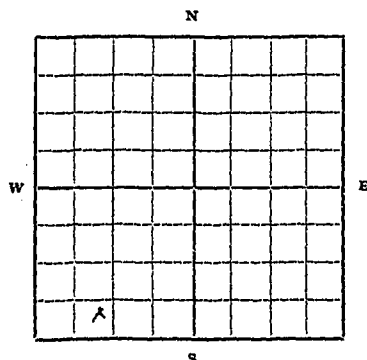
T. 7 N. R. 30  
County Musselshell

RECEIVED  
FEB 1 1962

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harry Johnson, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 14 S. 4 Sec. 2 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 Continuous as stockwater

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 14 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal cylinder pump & elec. pump pack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935

8. The depth of water table 150 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing 250' deep

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available unavailable

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Harry Johnson

Date Jan 28 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1316

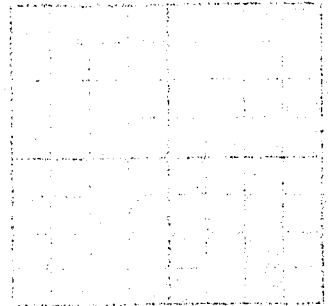


165765  
STATE OF MONTANA, } ss.  
MUSSELSHELL COUNTY, }

FILED THIS 31 DAY OF  
January A. D. 19 62  
AT 2:54 O'CLOCK P.M.

B. H. MATZKE  
COUNTY RECORDER  
Elaine J. [Signature]  
DEPUTY

42.00



RECEIVED  
JAN 31 1962  
MUSSELSHELL COUNTY CLERK  
MUSSELSHELL, MONTANA

GW-4

File No. ....

DUPLICATE

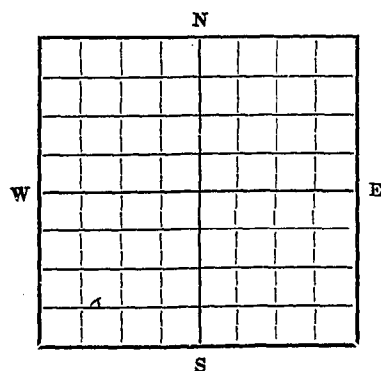
T. 7 N R. E 30 3  
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. Harry Johnson, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 3 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 continuous as stockwater
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump pack & elec. Motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946
8. The depth of water table 18 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in casing 50 ft deep
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Harry Johnson  
Date Feb 13, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1488

165852

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

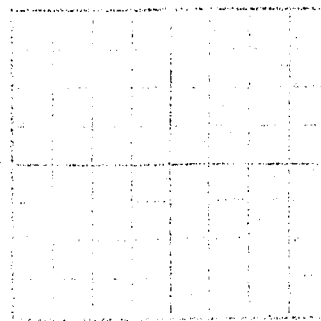
FILED THIS 15 DAY OF  
February A. D. 1962

AT 11:03 O'CLOCK A.M.

B. H. MATZKE

COUNTY RECORDER

Clair G. Rossmore  
DEPUTY



Notary Public in and for the State of Montana  
My Comm. Expires Jan. 1, 1963  
I hereby certify that the foregoing is a true and correct copy of the original as the same appears of record in my office.

Notary Public in and for the State of Montana  
My Comm. Expires Jan. 1, 1963

GV

File No. ....

DUPLICATE

STATE ENGINEER

T. 7 N R. 30

County Musselshell

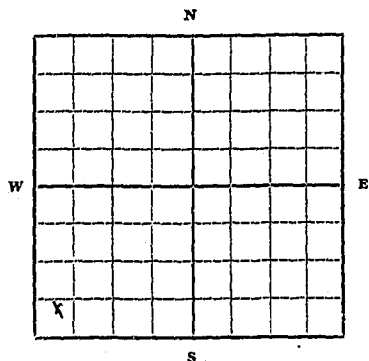
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 1 1962

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harry Johnson of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 3 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 April  
continuous as stockwater

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal elec.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1949

8. The depth of water table 10 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 40 ft deep 8 in steel casing

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available 0-5 surface soil  
5-35 shale & sand 35-40 sand rock

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Harry Johnson

Date Jan 28, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quaduplicate for the Appropriator.

1317

165763

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

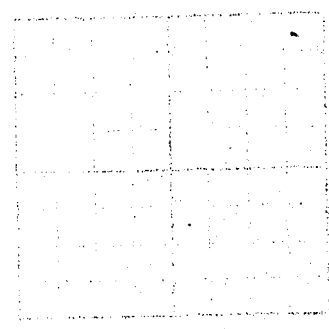
FILED THIS 31st DAY OF  
January A.D. 1962  
AT 2:52 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Rossman  
DEPUTY

#2.00



NOTICE TO CREDITORS  
In and for the County of Musselshell, State of Montana, I, B. H. Matzke, County Recorder, do hereby give notice that the undersigned has been appointed administrator of the estate of [Name], deceased, and that all claims against said estate must be presented to me within the time specified by law.

NOTICE TO CREDITORS  
In and for the County of Musselshell, State of Montana, I, B. H. Matzke, County Recorder, do hereby give notice that the undersigned has been appointed administrator of the estate of [Name], deceased, and that all claims against said estate must be presented to me within the time specified by law.

GW

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County

Musselshell

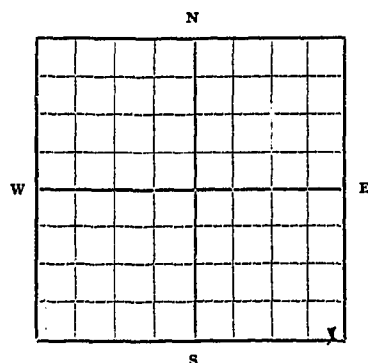
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
FEB 1 1962

STATE ENGINEER

1. Harry Johnson of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 5. 1/4 S. 4. T. 7. R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based residence, stockwater, lawn + garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn + garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet water systems
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1954
8. The depth of water table 45 ft
9. So far as it may be available, the type, size and depth, of each well or the general specifications of any other works for the withdrawal of groundwater 6" gal steel casing 80 ft deep
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Harry JohnsonDate Jan 28, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1315

165764

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

January A.D. 19 62  
AT 2:53 O'CLOCK P.M.

B. H. MATZKE  
COUNTY RECORDER

Claine J. Gorman  
DEPUTY

2.00

GV

File No. ....

DUPLICATE

T. 7 N. E. 4  
R. 30  
County. Musselshell

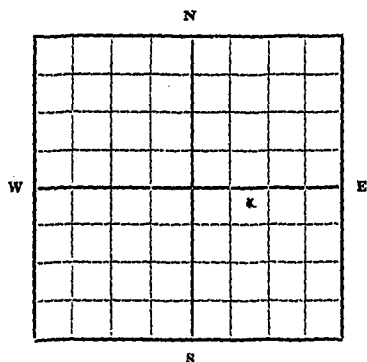
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harry Johnson, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$E \frac{1}{2}$  NW  $\frac{1}{4}$  Sec. 4, T. 7, R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 continuous as stockwater
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cylinder pump & elec. Motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1949
8. The depth of water table 25 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 55 ft deep 8 in steel casing
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Harry Johnson

Date Jan 28, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1318



165762

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 21<sup>st</sup> DAY OF

January A. D. 1962  
AT 2:57 O'CLOCK P.M.

R. H. MATZKE

COUNTY RECORDER

Elaine J. Hansen  
DEPUTY

72.00

File No. ....

DUPLICATE

T. 7<sup>N</sup> R. 30<sup>E</sup> 4  
County Musselshell

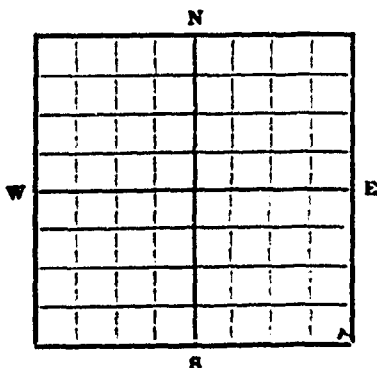
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Nancy Johnson of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 4, T. 7, R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water garden, shelter for the house
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn & garden & shelter Bett
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
8. The depth of water table 40 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 75 ft deep 6 in steel casing
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Nancy Johnson

Date Feb 13, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1490

165850

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 15 DAY OF  
February A.D. 1962  
AT 11:01 O'CLOCK A.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Roseman  
DEPUTY

\$ 2.00

GW

File No. ....

DUPLICATE

T. 7 N E 4

County. MUSSELSHELL

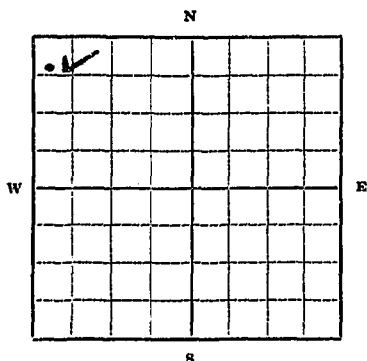
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
STATE ENGINEER

1. T.O. MILLION, of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)  
County of MUSSELSHELL State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW 1/4 Sec. 4 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based STOCK WATER  
HOME & IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1918  
DAILY

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 38 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 ACRES - NW 1/4 of NW 1/4 4-7-30  
T.O. MILLION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal SUBMERCIBLE ELECTRIC PUMP  
NW 1/4 of NW 1/4 4-7-30

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROX. 1918

8. The depth of water table 40 ft STATIC LEVEL

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRIVEN - Chain Drill  
140 ft

10. The estimated amount of groundwater withdrawn each year 350,000 gal

11. The log of formations encountered in the drilling of each well if available unknown

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner T.O. MILLION

Date 1-2-1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1386

165780

STATE OF MONTANA,  
MUSSELSHELL COUNTY. } ss.

FILED THIS 5th DAY OF  
February A.D. 1965.  
AT 3:31 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER  
Elaine J. Rossman  
DEPUTY

42.00

T. 7 R. 30

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JUN 25 1961

WATER WELL LOG

STATE ENGINEER


Owner J.D. Million Address Missoula, Mont.

Driller P.L. Ferguson Address Roundup, Mont.

Date Started April 20 - 1961 Date Completed April 27 - 1961

Location: Sec. 5 T. 7 R. 30  $\frac{1}{4}$  sec. 16 1/2

Type of well drilled Equipment used Churn  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 1 ft. to 218 ft. Type galv Size 6-in

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 168 to ft. 180 Ft. 185 to ft. 214

Type of screen or perforations slot

Static Water level, for non-flowing well: \_\_\_\_\_ feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: \_\_\_\_\_ feet at 14 gal. per min.

How tested: Bailing

Length of test 30 min

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

### Log of Well

[illegible]

Form No. 18  
8-60

T. 7 R. 30  
County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1962

Water Well Log


Owner T.O. MILLION Address MUSSELSHELL, MONT.  
Driller P.L. FERGUSON Address ROUNDUP, MONT.  
Date Started 4/20/61 Date Completed 4/27/61  
Location: Sec. 5 T. 7 R. 30  $\frac{1}{4}$  sec. SE  $\frac{1}{4}$

STATE ENGINEER

Type of well DRIVEN Equipment used CHURN  
(Dug, driven, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other \_\_\_\_\_

Casing: 0 ft. to 218 ft. Type 6" 2050 gal. down Size 6"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or screened: Ft. 178 to ft. 218. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 1" holes 1 ft. apart

Static water level, for non-flowing well: 48' feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 214 feet at 14 gal. per min.

How tested: bailed

Length of test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)



## Log of Well

[illegible]

GW

File No. ....

DUPLICATE

T. 7 R. 30

County MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

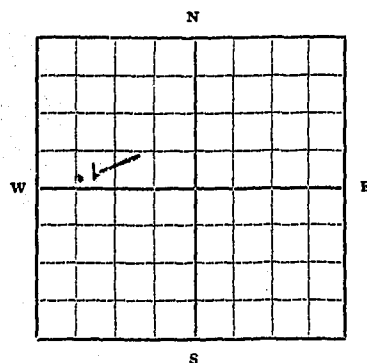
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 20 1962

STATE ENGINEER

1. T. O. MILLION, of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)  
County of MUSSELSHELL State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 5 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been SEPT. 16, 1956  
SEASONALLY 5 MONTHS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 13 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NO IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP - ENGINES  
6-7-30

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater SEPT. 6-1956 = SEPT. 16, 1956

8. The depth of water table 120 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRIVEN CHURN DRILL  
6" CASING  
275 ft

10. The estimated amount of groundwater withdrawn each year 75,000 gal

11. The log of formations encountered in the drilling of each well if available 0-18 yellow clay  
18-35 sandy shale 35-40 blue clay 40-44 sand 44-52 sandstone  
52-75 blue shale 75-95 sandy shale 95-125 blue shale 125-150  
yellow clay 150-160 blue clay 160-185 blue shale 185-225  
light blue shale 225-263 sandy shale 263-290 sandstone 290-420  
blue shale

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner T. O. Million

Date Jan 20 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1385

165789

STATE OF MONTANA, } ss.  
MUSSELSHELL COUNTY.

FILED THIS 5 DAY OF  
Feb A.D. 1962

AT 3:30 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

*Elsie J. Grossman*  
DEPUTY

\$2.00

GW

File No. ....

DUPLICATE

T. 7 N. R. 30

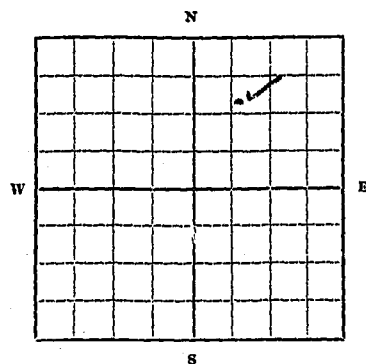
County. MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
STATE ENGINEER

1. T. O. MILLION, of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)  
County of MUSSELSHELL State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 7 T. 7. R. 30

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1932  
SEASONALLY 5 MONTHS
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 14 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NO IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP - WIND MILL & SPRINGS  
7-7-30

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROX. 1932
8. The depth of water table 82 ft STATIC WATER LEVEL
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRIVEN - 4 in. Drill  
180 ft
10. The estimated amount of groundwater withdrawn each year 300,000 gal
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none known

Signature of Owner T. O. Million

Date Jan 20 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1381

165794  
STATE OF MONTANA, ss.  
MUSSELSHELL COUNTY, ss.  
FILED THIS 5th DAY OF  
February A.D. 1962  
AT 3:35 O'CLOCK P.M.  
B. H. MATZKE  
COUNTY RECORDER  
Elaine J. Lawrence  
DEPUTY  
H 2nd

GW

File No. ....

DUPLICATE

T. 7 N E 30

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

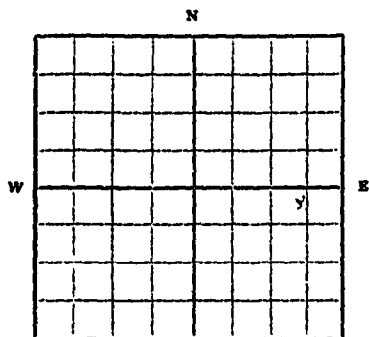
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harry Johnson of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 9 T. 7 R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 continuous as stockwater
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cylinder, Pump & Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949
8. The depth of water table 30 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 55 ft 8 in steel casing
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Harry Johnson

Date Jan 20, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1319

165761

STATE OF MONTANA, } ss.  
MUSSELSHELL COUNTY, }

FILED THIS 31 DAY OF

January A.D. 1962

AT 2:50 O'CLOCK P.M.

B. E. MATZKE

COUNTY RECORDER

Elaine J. Freeman

DEPUTY

#2.00

File No. ....

DUPLICATE

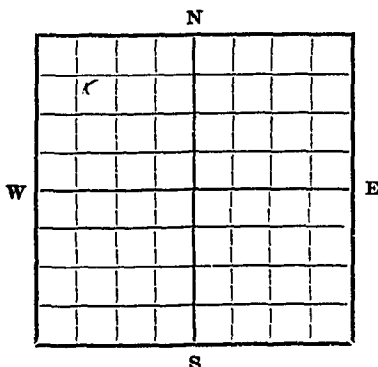
T. 7 N E 30 - 10  
County MusselshellSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JUN 16 1962  
STATE ENGINEER

1. Harry Johnson, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 10. T. 7 R. 30

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 continuous  
as stockwater
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955
8. The depth of water table 10 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in casing 30 ft deep
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unavailable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Harry JohnsonDate Feb 13, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1487



165853

STATE OF MONTANA,  
MUSSELSHELL COUNTY. } ss.

FILED THIS 15 DAY OF

February A. D. 19 62

AT 11:04 O'CLOCK am

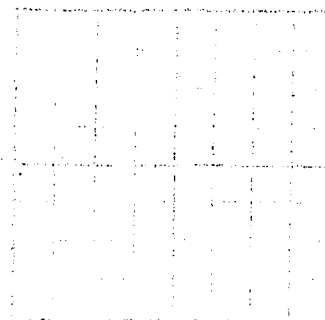
B. H. MATZKE

COUNTY RECORDER

Elaine J. Gassman

DEPUTY

\$2.00



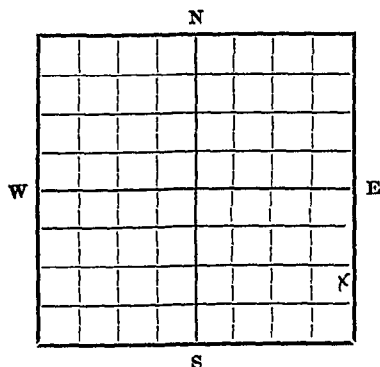
FILED FOR RECORD IN  
MUSSELSHELL COUNTY  
MONTANA  
FEBRUARY 15 1962  
CLERK OF DISTRICT COURT

File No. ....

DUPLICATE

T. 2N R. 3E - 10  
County MusselshellSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 16 1962Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Harry Johnson, of Musselshell,  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E. 1/4 Sec. 10, T. 7, R. 30

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 continuous use  
stockwater
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.0 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack 2 1/2 mi. NW
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955
8. The depth of water table 7.0 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in casing 20.0 ft deep
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available 0-20 yellow clay  
20-35 light gray shale 35-50 dark gray shale 50-55 clay 55-75  
light gray shale 75-90 light brown shale 90-130 light gray shale  
130-145 light gray shale 145-155 light gray sandy shale  
155-200 sandstone
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Harry JohnsonDate Feb. 13, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

165854

STATE OF MONTANA, }  
MUSSELSHELL COUNTY. } ss.

FILED THIS 15 DA

February A. D. 1962

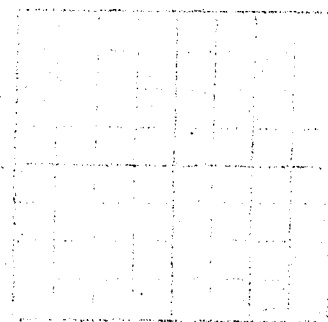
AT 11:02 O'CLOCK AM

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gosman  
DEPUTY

\$ 2.00



Subscribed to and attested by me, the undersigned, County Clerk of Musselshell County, Montana, on this 15th day of February, 1962, at Musselshell, Montana.

Notary Public for the State of Montana

RECEIVED  
AUG 29 1958

12  
T. 7 R. 30  
County Musselshell

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

		X

Owner HARRY JOHNSON Address MUSSELSHELL

Driller P. L. FERGUSON Address ROUNDUP MONT

Date Started 6-12-58 Date Completed 6-20-58

Location: Sec. 12 T. 7 R. 30 1/4 sec.

Type of well DRILLED Equipment used CHURN DRILL  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 34.5 ft. Type GALVANIZED Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to ft. Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: feet

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 220 feet at APPROX 50 gal. per min.

How tested: BALING TEST

Length of test 90 Min

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

[illegible][illegible]

RECEIVED

JUL 5 1960

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 7 R. 30 13  
County Musselshell

WATER WELL LOG


Owner Harry Johnson Address Musselshell, Mont  
Driller P. L. Ferguson Address Roundup, Mont  
Date Started June 12, 1958 Date Completed June 20, 1958  
Location: Sec. 13 T. 7 R. 30  $\frac{1}{4}$  sec.

Type of well drilled Equipment used Churn drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 1 ft. to 345 ft. Type galvanized Size 6"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 75" to ft. 85" Ft. 310 to ft. 320

Type of screen or perforations slot

Static Water level, for non-flowing well: \_\_\_\_\_ feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 20 feet at 50 gal. per min.

How tested: gailing

Length of test 1 hr

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

@

(over)

## Log of Well

[illegible]

Form No. 18  
8-60

T. 7 R. 30

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

13  
RECEIVED  
NOV 21 1954

Water Well Log

STATE ENGINEER

		x	

Owner Clayton Jensen Address Musselshell

Driller Gordon Scammon Address Reundup, Montana

Date Started November 24, 1954 Date Completed November 26, 1954

Location: Sec. 13 T. 7 R. 30  $\frac{1}{2}$  sec.

Type of well Drilled Equipment used Cable Rig  
(Dug, driven, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other

Casing: 0 ft. to 60 ft. Type Galvanized Size 6" 20 ga

Casing:  ft. to  ft. Type  Size

Casing:  ft. to  ft. Type  Size

Perforated or screened: Ft. 60 to ft. 45 Ft.  to ft.

Type of screen or perforations Slotts

Static water level, for non-flowing well: 33 feet feet.

Shut-in pressure, for flowing well:  lb./sq. in. on:  (date)

Pumping water level 33 feet at 10 gal. per min.

How tested: Cylinder Pump

Length of test Thirty Six hr

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)



## Log of Well

[illegible]

GW 3

File No. ....

DUPLICATE

*Probably S.W.*T. *7* R. *30*County *Missoula*

STATE ENGINEER

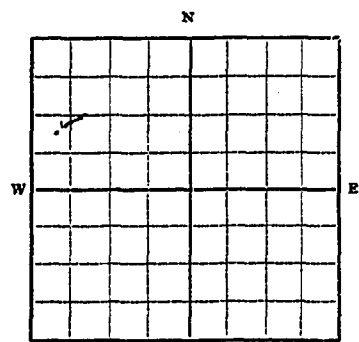
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater *approx. 1915*Owner *J.O. Million* Address *Missoula, Mont.*Contractor (if any) *Charles By James H. Roberts*Address of Contractor *Bozeman, Mont.*Date Started *2/1/58* Date Completed *2/1/58*

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. *Spring - a base/H. covered above to keep out silt - earth tank*



*SW 1/4 NW 1/4* Sec. *17* T. *7* R. *30*

Indicate point of appropriation and place of use, if possible.

tent estimate approximate lengths of periods of use

*keeps constantly, approx. 1572 gal in earth tank*

Signature of Owner *J.O. Million*Date *Jan. 20, 1962*

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1380

165795

STATE OF MONTANA,  
MUSSELSHELL COUNTY, } ss.

FILED THIS 5th DAY OF

February, A.D. 1962

AT 3:36 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

42.00 Elaine J. Grossman  
DEPUTY

GW

File No. ....

DUPLICATE

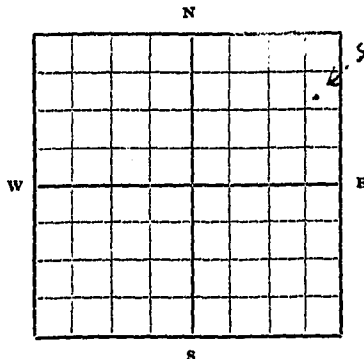
T. 7 R. 30

County MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. T. O. MILLION, of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)  
County of MUSSELSHELL State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 17 T. 7 R. 30

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based .....  
STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been .....  
1925  
DAILY 7 MONTHS A YEAR
4. The amount of groundwater claimed (in miner's inches or gallons per minute) .....  
15 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof .....  
NO IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal .....  
PUMP MINA MINE & FRAMES  
17-7-30
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater .....  
APPROX 1925
8. The depth of water table .....  
22 FT STATIC WATER LEVEL
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater .....  
DRIVEN - 4 inch diameter  
8" casing  
72'
10. The estimated amount of groundwater withdrawn each year .....  
168,000 gal
11. The log of formations encountered in the drilling of each well if available .....  
UNKNOWN
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record .....  
UNKNOWN

Signature of Owner T. O. Million

Date Jan 20 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1382

165293

STATE OF MONTANA, }  
MUSSELSHELL COUNTY. }

FILED THIS 5th DAY OF

February A. D. 19 62  
AT 3:34 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Krause  
42.23 DEPUTY

Form No. 18  
8-60

RECEIVED

MONTANA DEPARTMENT OF MINES AND GEOLOGY  
RECORDS AND CORRELATION

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. Seven R. Thirty  
County Musselshell

Water Well Log


Owner Clayton Jensen Address Musselshell  
Driller Horton Leamon Address Round Bay, Mont.  
Date Started Nov 24, 1954 Date Completed Dec 36, 1954  
Location: Sec. 18 T. 7 R. 30 1/4 sec. 1/2 E.

Type of well Drilled Equipment used Cable Rig  
(Dug, driven, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Casing: 0 ft. to 60 ft. Type Galvanized Size 6" 50 ga

Casing:          ft. to          ft. Type          Size         

Casing:          ft. to          ft. Type          Size         

Perforated or screened: Ft. 60 to ft. 45. Ft.          to ft.         

Type of screen or perforations Slotted

Static water level, for non-flowing well: 33 feet feet.

Shut-in pressure, for flowing well:          lb./sq. in. on:          (date)

Pumping water level 33 feet at 10 gal. per min.

How tested: Cylinder Pump

Length of test Thirty six hr.

Remark (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

## Log of Well

[illegible]

7/15/51

165521

File No. ....

T. 7 N. R. 30 E.

DUPLICATE

County Musselshell

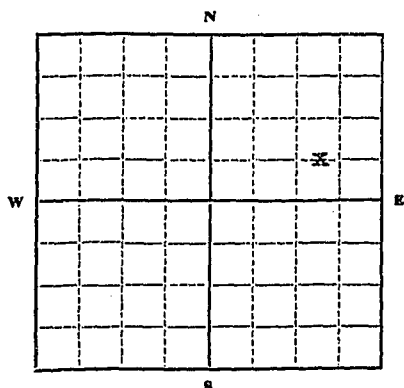
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963  
STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. K. Murphy, of Musselshell, Montana  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 19, T. 7 N. R. 30 E.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....  
Stock Water

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. Old before 1955  
Date unknown guessed 1935  
Used each season

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 8 gpm approx.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
Does not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
pump  
SE 1/4, NE 1/4, Sec. 19, T. 7 N. R. 30 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Unknown

8. The depth of water table. Aprox. 40 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. 6 in casing aprox. 60 ft.

10. The estimated amount of groundwater withdrawn each year. 75,000 gal.

11. The log of formations encountered in the drilling of each well if available. none

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record. none

Signature of Owner

Date Dec. 19, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and duplicate for the Appropriator.

3079



1673780

STATE OF MONTANA,  
MUSSELSHELL COUNTY, ss.

FILED THIS 31 DAY OF

Dec A. D. 1962

AT 11:15 O'CLOCK a M.

[Signature]  
COUNTY RECORDER

DEPUTY

RECEIVED

JUL 5 1960

T. 7 R. 30 20  
County. Musselshell

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Harry Johnson Address Musselshell  
Driller Orville Treilke Address Musselshell  
Date Started July 20 Date Completed July 25  
Location: Sec. 20 T. 7 R. 30 1/4 sec. W 1/2

Type of well drilled Equipment used spulder  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: for stock use

Casing: 0 ft. to 30 ft. Type steel Size 6"

Casing: 30 ft. to 50 ft. Type galvanized Size 5"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 30 to ft. 50 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations factory perforated

Static Water level, for non-flowing well: 30' / 30' feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 40 feet at bailed at 15 gal. per min.

How tested: Bailing

Length of test 20 min.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

## Log of Well

[illegible]

GW2

File No. ....

DUPLICATE

T. 7 N R 30

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 3182)

0  
3 soil  
35 sandy clay  
75 blue clay  
90 sandy blue clay  
105 sand, little H<sub>2</sub>O  
108 hard shell  
115 porous sand H<sub>2</sub>O - 8  
150 porous sand H<sub>2</sub>O 30 g.p.m.

Owner Harold Schultz Address Missoula, Mont.Driller P.L. Ferguson Address Roundup, Mont.

Date of Notice of Appropriation of Groundwater .....

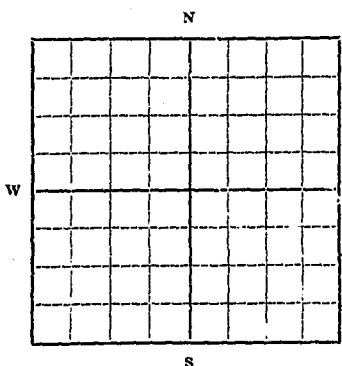
Date well started 5-5-62 Date Completed 5-8-62

Type of well drilled Equipment Used Churn  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6"-20 gbr.	1	150	Section 6" dia	110	150



N.E. 1/4 Sec. 20 T. 7 R. 30  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

750

Show exact depth of bottom.

Static Water Level for non-flowing Well 90 feet.Shut-in Pressure for Flowing Well data not applyPumping Water Level 148 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well data not applyHow Tested gauge Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) .....

stock water

710 34  
Driller's License Number

P.L. Ferguson  
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

20514